



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Vladimir Mancevski : Art Group: 2824
Serial No.: 09/779,374 : Examiner: Bradley K. Smith
Filed: 02/07/2001 : Paper No.:
Title: System and Method for Fabricating Logic Devices Comprising Carbon
Nanotube Transistors

Assistant Commissioner of Patents
Washington, DC 20231

Dear Sir:

RESPONSE TO RESTRICTION REQUIREMENT

In response to the Office Action issued on November 4, 2003, Applicant respectfully submits the following remarks for consideration.

CLAIMS:

Please withdraw claims 1-17, 59-64, 66-74, 92-97, 101-110, 113 and 115-116 without prejudice or disclaimer. Applicant expressly hereby reserves the right to prosecute the withdrawn claims in a separate application.

Please add the following claims:

117. (new) A device comprising:
at least one vertically oriented carbon nanotube embedded in a silicon-based substrate.
118. (new) A device of claim 117, wherein the said substrate material comprises a member of the class consisting of undoped silicon, doped silicon, crystalline silicon, polysilicon, silicon nitride, undoped silicon dioxide, and doped silicon dioxide.
119. (new) A device of claim 117, wherein the said carbon nanotube is fabricated directly within a template in the said substrate.